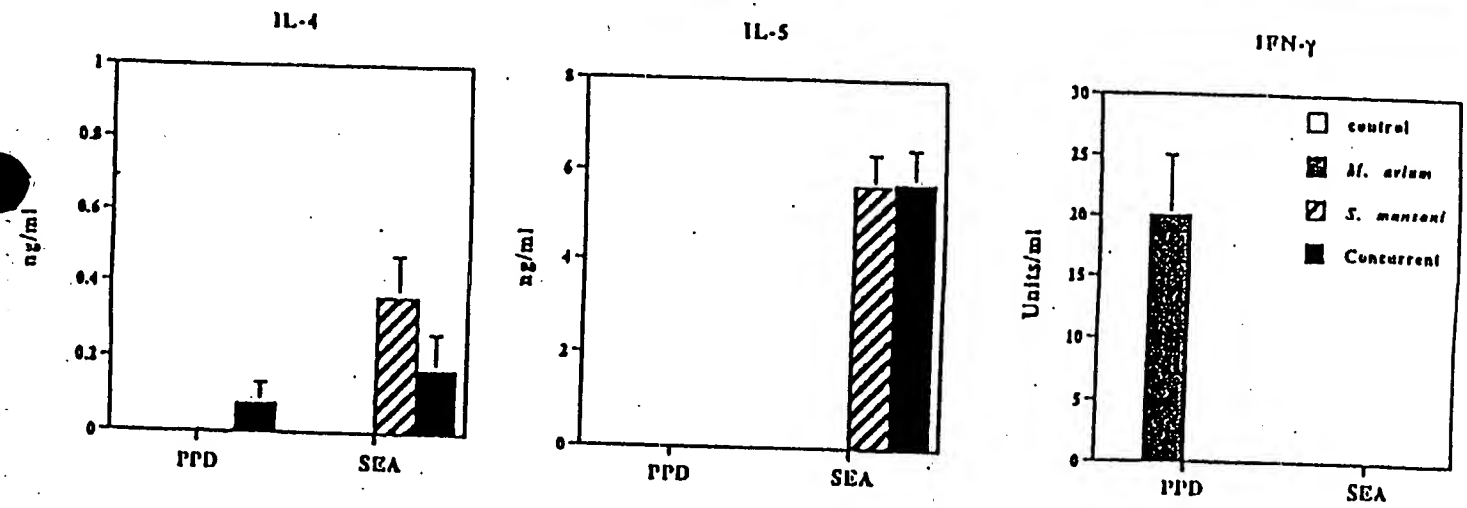


FIGURE 1. Concentration of IFNγ, IL-4 and IL-5 in spleen cell supernatants of mice infected with *M. avium*, *S. mansoni* or both organisms. Splenocytes ($4x10^5$/well) were cultured *in vitro* for 48h at 37°C in 200 µl medium in the presence or absence of optimal concentrations of PPD or soluble schistosome egg antigen (SEA). Cytokine secretion was quantified by ELISA.

Fig. 1

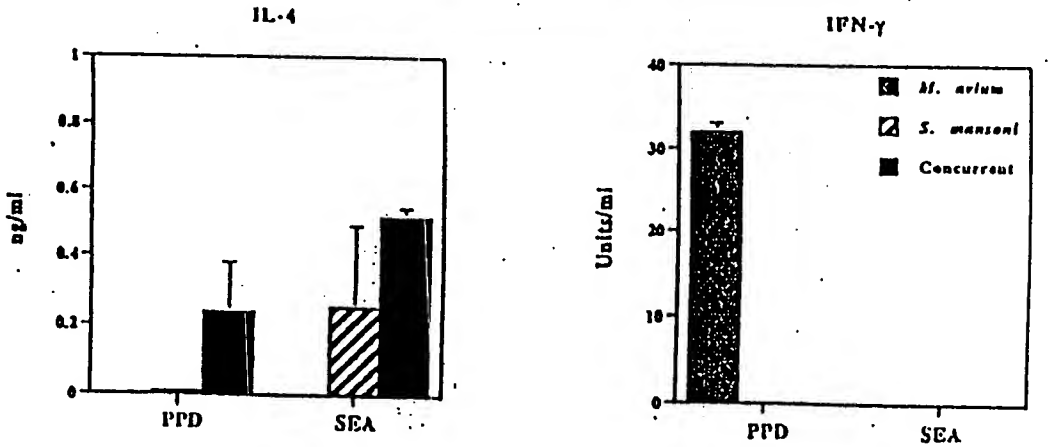


FIGURE 2. Concentration of IFNγ and IL-4 in granuloma cell supernatants of mice infected with *M. avium*, *S. mansoni* or both organisms. Granuloma cells ($4x10^5$/well) in 200 µl medium were cultured *in vitro* at 37°C for 48h in the presence or absence of the optimal concentration of PPD or soluble schistosome egg antigen (SEA). Cytokines secretion was quantified by ELISA.

Fig. 2

Fig. 3

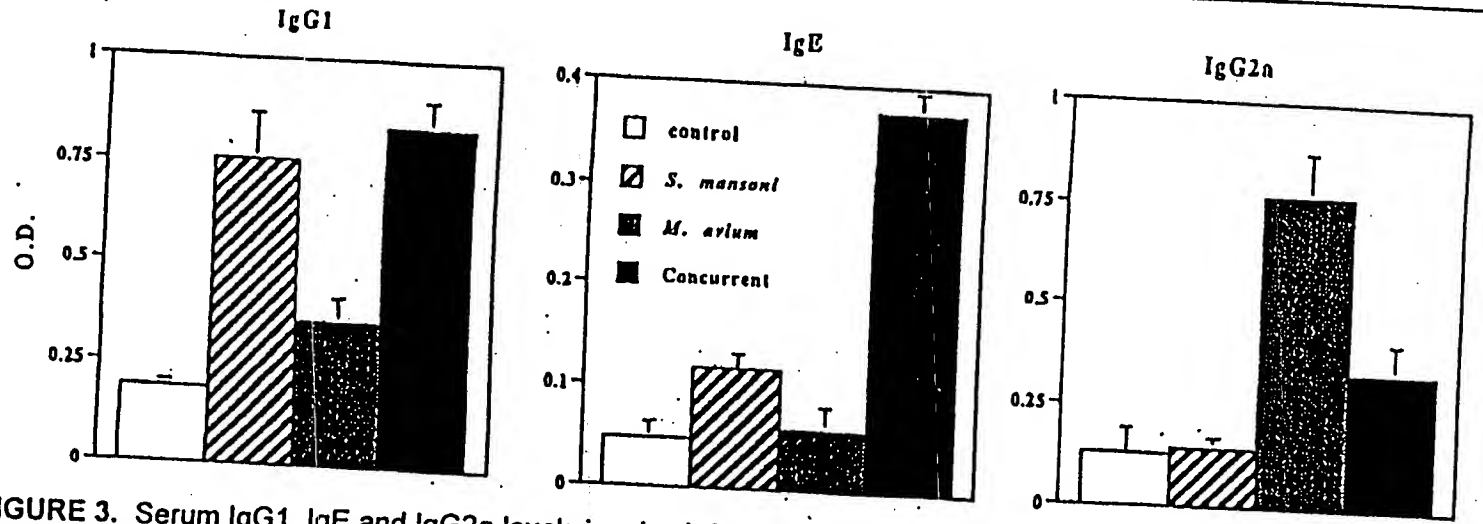


FIGURE 3. Serum IgG1, IgE and IgG2a levels in mice infected with *M. avium*, *S. mansoni* or both (concurrent) as described above. Immunoglobulin concentration was determined by ELISA.

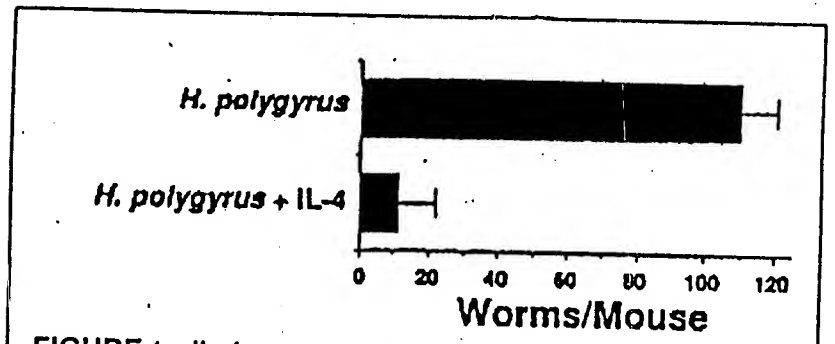


FIGURE 4. IL-4 can cure mice of a chronic *H. polygyrus* infection. Mice received three injections of an IL-4 complex starting 12 days before sacrifice. Data are means ±SE of multiple determinations.

Fig. 4

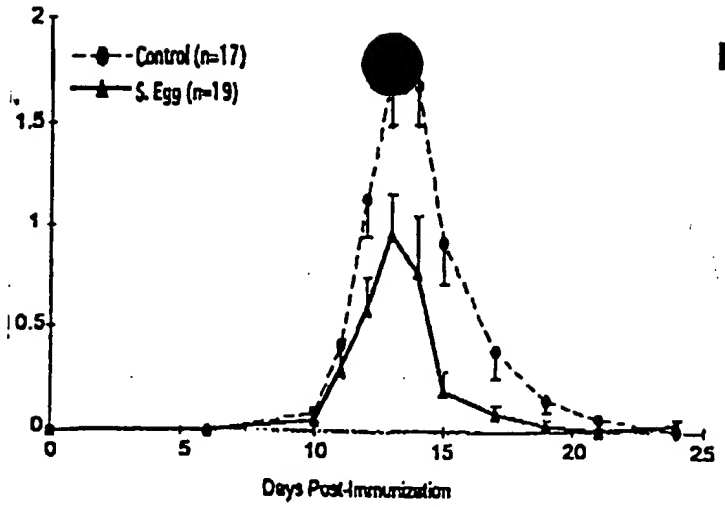


Fig. 5.

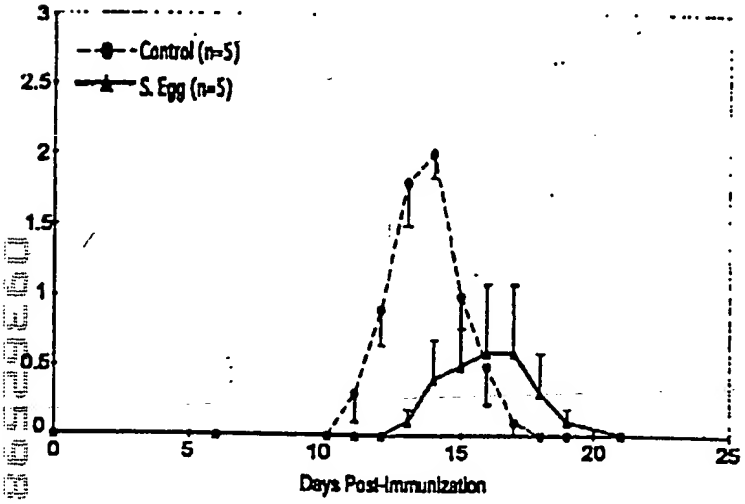


Fig. 6,

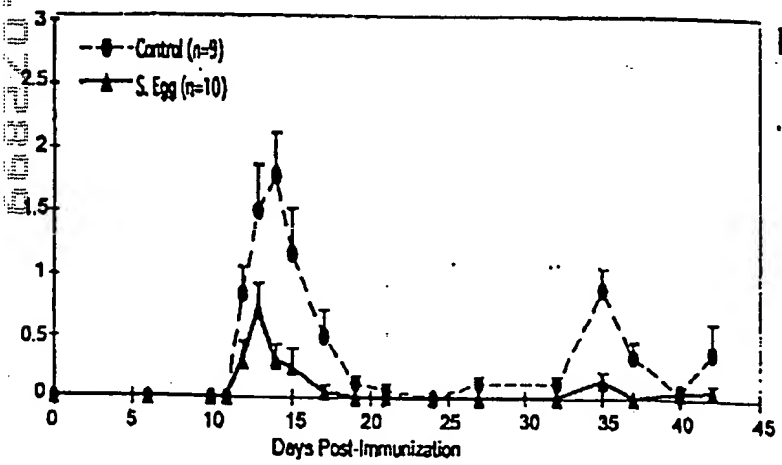
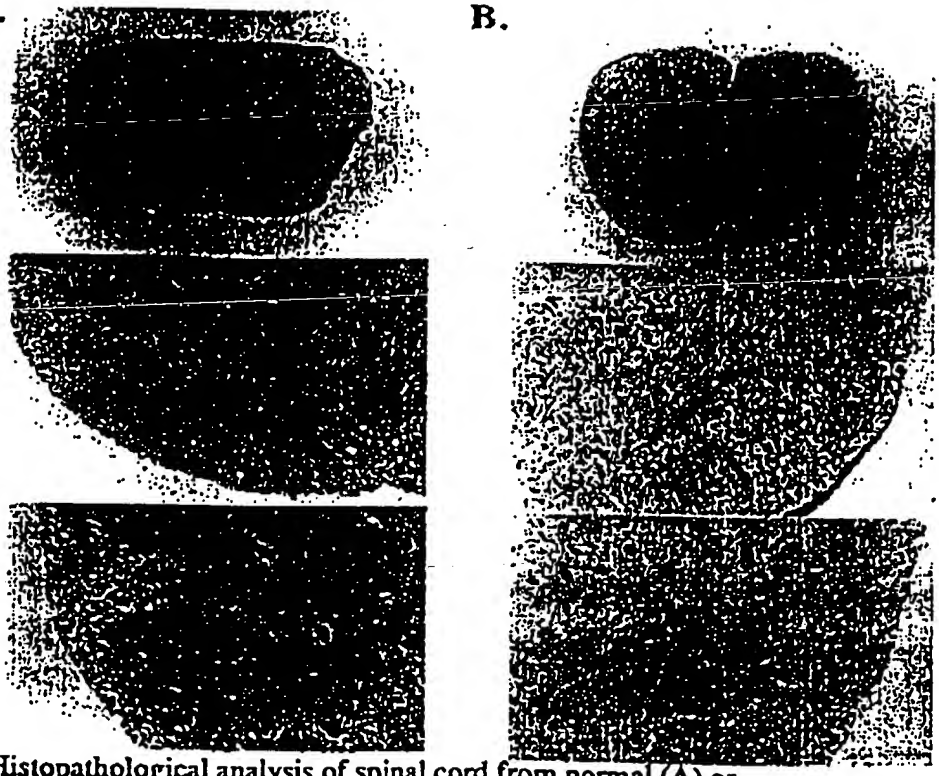


Fig. 7.

Fig. 8.



Histopathological analysis of spinal cord from normal (A) or schistosome ova injected (B) mice with EAE. Mice were sacrificed 14 days following immunization. Spinal cords were harvested, fixed in 10% Formalin and embedded in paraffin. 8 micrometer tissue sections were stained with hematoxylin and cosin (HE).

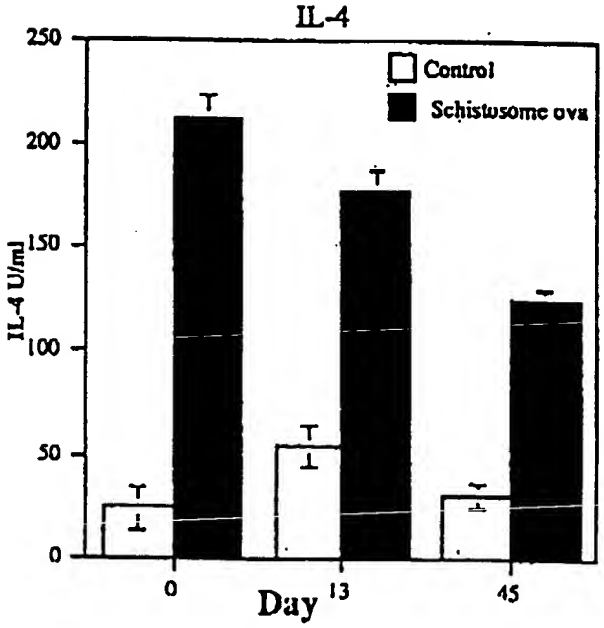


Fig. 9.

A. ELISA assays were performed according to General Methods and Preliminary Results. (A) represents IL-4, (B) represents IL-2 and (C) demonstrates IFN-γ production in the supernatants of activated splenocytes. (Fig 5B & 5C are shown on next page.)

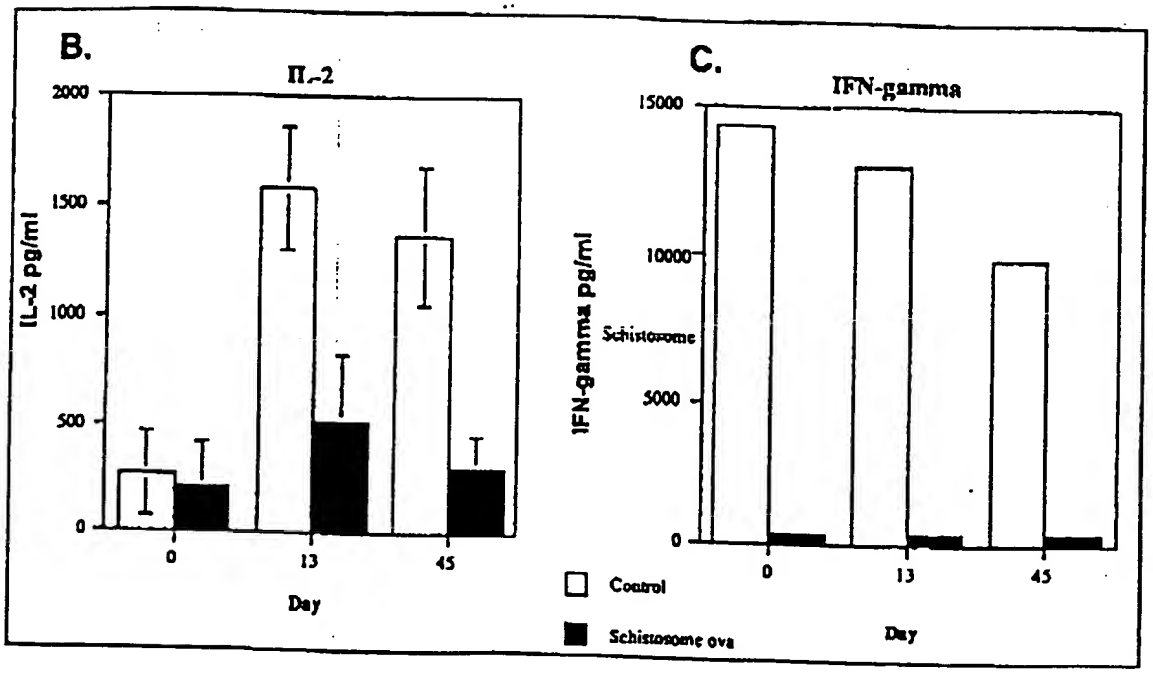
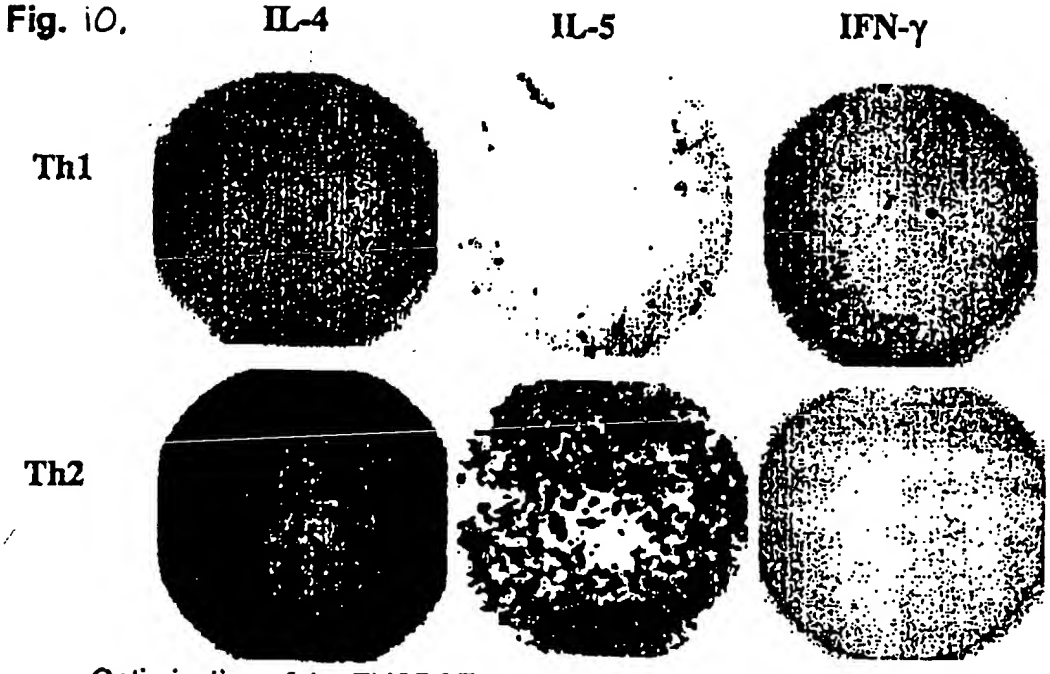


Fig. 9B + 9C

Fig. 10.



Optimization of the ELISPOT assay in an allospecific Balb/c versus C57BL/6 recall response after 7days with (bottom panel) and without (upper panel) Th-2 manipulation (αIL-4, αIFNγ).